## In the claims:

Presented below are the claims, as amended, with changes entered and not marked.

1	1.	(Amended)	a system	comprising:
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2 a battery;

a super-capacitor (SC) coupled in parallel to the battery;

a computer system coupled to the battery and the SC; and

a current limiter, counted to the battery, the SC and the computer system, to

6 prevent excess current from flowing from the battery to the SC.

- 1 2. (Unchanged) The system of claim 1 wherein the current limiter prevents excess
- 2 current from flowing from the SC to the battery.
- 1 3. (Amended) The system of claim 1 wherein the SC prevents transients from the
- 2 computer system from affecting the battery voltage.
- 1 4. (Amended) The system of claim 3 wherein the SC has a capacitance of 20
- 2 farad and a resistance of 5 m.
- 1 5. (Unchanged) The system of claim \(\frac{1}{3}\) wherein the computer system comprises:
- a power delivery subsection; and
- a plurality of hardware components coupled to the power delivery subsection.
- 1 6. (Unchanged) The system of claim 5 wherein the power delivery subsection
- 2 comprises:
- a system voltage regulator;



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- 4 a chipset voltage regulator; and
- 5 a central processing unit (CPU) voltage regulator.
  - 7. (Unchanged) The system of claim 2 wherein the current limiter comprises:
- a first transistor coupled to the battery;
- a second transistor coupled to the first transistor; and
- a resistor coupled to the second transistor, the SC and the computer system.
- 1 8. (Unchanged) The system of claim 7 wherein the current limiter further
- a first comparator with inputs coupled across the resistor and an output coupled to
- 4 the gate of the second transistor; and
- a second comparator with inputs coupled across the resistor and an output coupled
- 6 to the gate of the first transistor.
- 1 9. (Unchanged) The system of claim 8 wherein the first comparator deactivates the
- 2 second transistor if the voltage across the resistor is greater than a first predetermined
- 3 threshold.

comprises:

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- 1 10. (Unchanged) The system of claim 9 wherein the second comparator deactivates
- 2 the first transistor if the voltage across the resistor is greater than a second predetermined
- 3 threshold.
- 1 11. (Amended) A system comprising:
- 2 a battery;

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- a super-capacitor (SC) coupled in parallel to the battery;
- a power delivery system coupled to the battery and the SC; and
- a current limiter, coupled to the battery, the SC and the power delivery system, to
- 6 prevent excess current from flowing from the battery to the SC.
- 1 12. (Unchanged) The system of claim 11 wherein the current limiter prevents excess
- 2 current from flowing from the SC to the battery.
- 1 13. (Amended) The system of claim 11 wherein the SC prevents transients from
- 2 the computer system from affecting the battery voltage.
- 1 14. (Unchanged) The system of claim 11 wherein the power delivery system
- 2 comprises:
- a first voltage regulator; and
- 4 a second voltage regulator.
- 1 15. (Unchanged) A current limiter comprising:
- a first transistor coupled to a battery;
- a second transistor coupled to the first transistor; and
- a resistor coupled to the second transistor, and a super-capacitor (SC);
- wherein the current limiter prevents excess current from flowing from the battery
- 6 to the SC.
- 1 16. (Unchanged) The current limiter of claim 15 further comprising:

Docket No. 42P13459 Application No. 10/074,576 a first comparator with inputs coupled across the resistor and an output coupled to
the gate of the second transistor; and

a second comparator with inputs coupled across the resistor and an output coupled to the gate of the first transistor.

- 17. (Unchanged) The current limiter of claim 16 wherein the first comparator deactivates the second transistor if the voltage across the resistor is greater than a first predetermined threshold.
- 1 18. (Unchanged) The current limiter of claim 17 wherein the second comparator
- deactivates the first transistor if the voltage across the resistor is greater than a second
- 3 predetermined threshold.

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